

Message Text

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ACTION OES-06

INFO OCT-01 EA-09 ISO-00 FEA-01 CIAE-00 INR-07 NSAE-00

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TO USERDA HQ GERMANTOWN

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UNCLAS TOKYO 13029

E.O. 11652: N/A

TAGS: TECH, JA

SUBJECT: JAPANESE CENTRIFUGE FOR URANIUM ENRICHMENT

1. ON AUG 27 PNC DISCLOSED SUCCESS IN DEVELOPMENT OF NEW CENTRIFUGE, P-2, FOR URANIUM ENRICHMENT.
2. P-2 SEPARATION CAPACITY WAS CONFIRMED TO BE MORE THAN TWO-FOLD P-1 CENTRIFUGES WHICH CONSTITUTE C-2 CASCADE. SOME MODIFICATIONS ARE EXPECTED TO RAISE P-2 CAPACITY TO MORE THAN THREE-FOLD P-1.
3. P-2 ROTOR PERIPHERAL VELOCITY IS 500 METERS PER SECOND, MORE THAN 10 PERCENT HIGHER THAN P-1 VELOCITY. STATIC DEVICE IS PROVIDED FOR DIRECTING URANIUM HEXAFLUORIDE FLOW.
4. FIFTY P-2'S ARE UNDER TEST RUN AT PNC TOKAI ESTABLISHMENT.
5. FOUR-YEAR PROGRAM FOR CONSTRUCTION OF PILOT PLANT EVENTUALLY COMPRISING 7,000 TO 10,000 CENTRIFUGES WILL BEGIN JFY '77. PROGRAM WILL CONSIST OF THREE PHASES.
6. FIRST AND SECOND PHASES WITH 3,000 CENTRIFUGES EACH ARE EXPECTED TO ADOPT P-2'S EXCLUSIVELY. THIRD PHASE WILL ADOPT MORE EFFICIENT CENTRIFUGE, P-3, IF SUCCESSFULLY DEVELOPED.

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7. MANUFACTURE OF 1,000 P-2'S WILL BE COMPLETED LATE JFY '77.

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Message Attributes

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Disposition Approved on Date:
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